

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2003283405 A

(43) Date of publication of application: 03.10.2003

(51) Int. Cl. H04B 7/10
H04H 1/00, H04J 11/00

(21) Application number: 2002231611
(22) Date of filing: 08.08.2002
(30) Priority: 17.01.2002 JP 2002008598

(71) Applicant: FUJITSU TEN LTD
(72) Inventor: CHIKAISHI KOICHI
TAKAYAMA KAZUO
NAGAMI MASAOKI
MIYANO TAKESHI
OGINO KAZUSHIGE

(54) ON-VEHICLE DIGITAL COMMUNICATION
RECEIVER AND ANTENNA

COPYRIGHT: (C)2004,JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an on-vehicle digital communication receiver for decreasing the number of wireless detection sections in use in comparison with the number of antennas and to provide the on-vehicle mount antennas capable of easily obtaining the directivity.

SOLUTION: A forward beam antenna 22A (backward beam antenna 22B) is mounted in front (at the back) of a vehicle, an antenna selection circuit 29 switches a changeover switch 23, and the receiver receives a radio wave signal of the OFDM system to reduce the inter-carrier interference ICI due to multi-path fading or the like. The antenna selection circuit 29 discriminates whether or not the switching is to be performed on the basis of received power information and error rate information. The forward beam antenna 22A and the backward beam antenna 22B realize their reflectors by using the metallic body of the vehicle.

